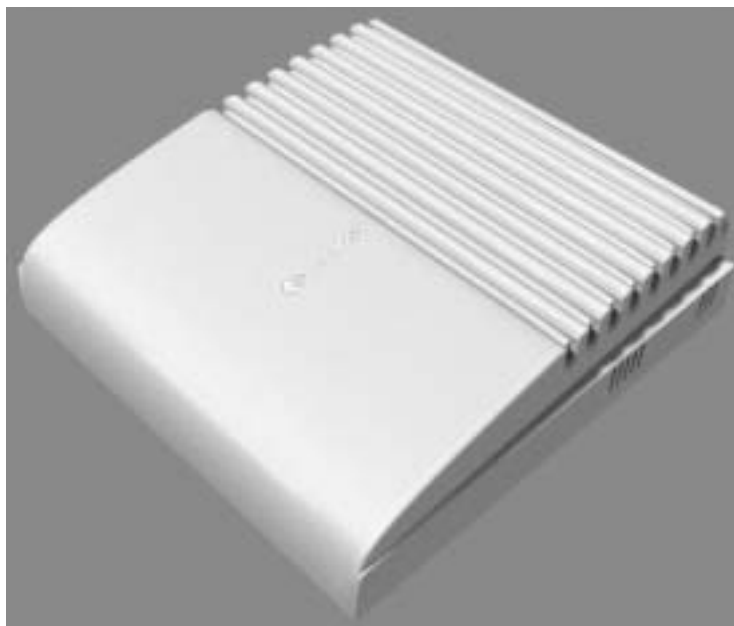


***FAR tel***

**FT 105P and FT 208P  
PABX**



**I**nstallation, **P**rogramming  
and **U**ser's **M**anual



*ACI Srl FARFISA Intercoms reserves the right to modify the products illustrated at any time.*

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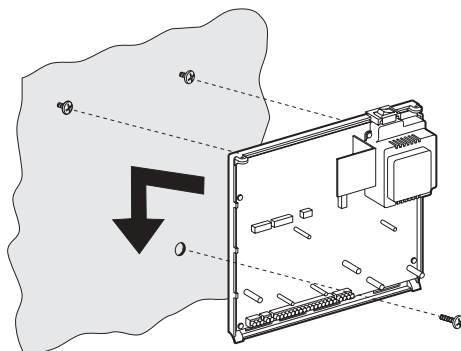
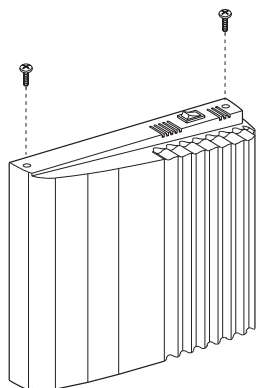
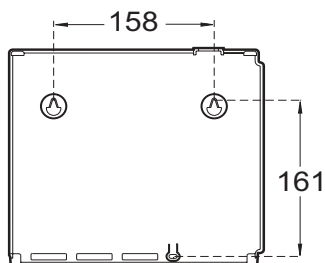
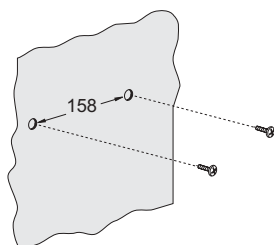
For correct operation, make sure that the openings or slots for ventilation and heat dissipation are not blocked.

Install the PABX away from devices generating strong magnetic fields (such as copying machines).

### Mechanical installation

To install the PABX:

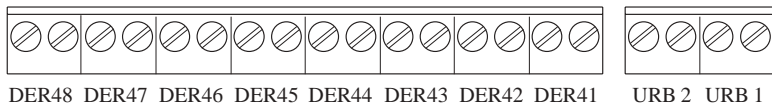
- position two screws on the wall at a distance of 158 mm without tightening them
- unscrew the 2 screws to remove the cover
- hook the PABX to the screws
- mark and drill the bottom hole
- place the PABX on the wall in correspondence with the 2 upper screws and move it downwards
- insert the bottom screw to block the PABX.



### Telephone and electrical connections

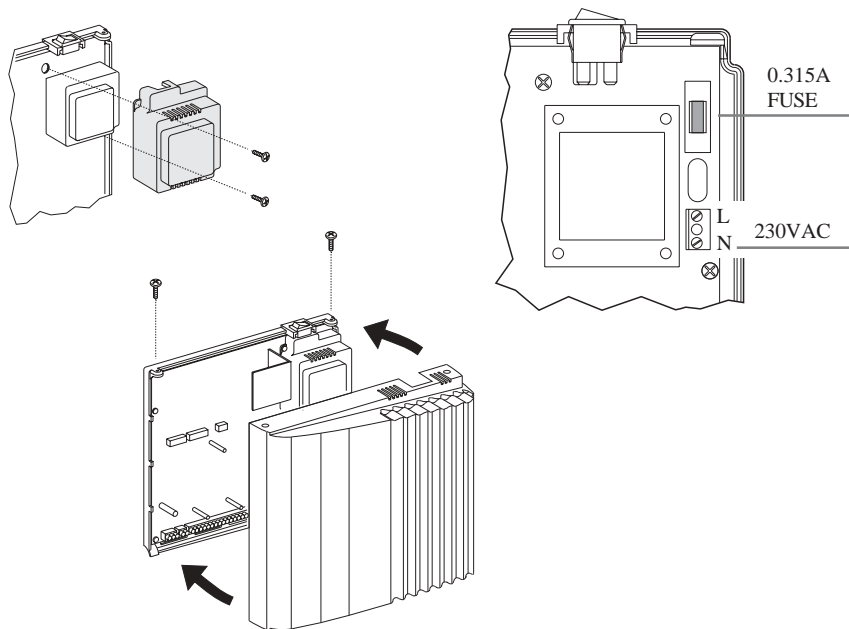
Use a telephone pair to connect telephones and external lines. The maximum connection distance between the PABX and the last telephone is 350 m. using a 0.6 mm<sup>2</sup> telephone pair. Do not use multi-pair cables to reduce crosstalk problems.





FT  
105P  
208P

- connect the wires of the external lines 1 and 2 to terminals **URB1** and **URB2** (**URB1** for **FT105P**)
- connect the wires of the telephones to **DER41**, .... **DER48** (**DER41**, ... **DER45** for **FT105P**)
- check that the on/off switch is off
- unscrew the 2 screws to remove the protection cover of the power supply
- connect the 2 electrical conductors to terminals L and N
- replace the protection cover
- close the PABX.



### Notes

- Although already present in the PABX, place external protections against overvoltage or atmospheric discharge on the external lines, on the electric mains and on the extension lines, if partially located outside the building.
- The correct operation of the telephone installation is guaranteed when using homologated telephones.
- If the general call function is required, connect facsimiles, modems and answering machines to the terminals of the last extension (DER45 for FT105P; DER48 for FT208P) because they do not receive the call signal.

# I N S T A L L A T I O N



## MAINTENANCE

No parts of the PABX can be replaced directly by the user.  
In case of failure, contact the nearest Farfisa Service Center or distributor.  
In the meantime, the PABX can be operated in emergency mode (see next chapter), by placing the switch on O.

## EMERGENCY

In case of power failure, the following lines can be used to make/receive calls:

for <b>FT105P</b>	extension <b>41</b>
for <b>FT208P</b>	extension <b>41</b> for external line 1
	extension <b>42</b> for external line 2

An EEPROM memory guarantees the preservation of the general programming data (or system data) and restore them when the power is restored.

## TECHNICAL DATA

	<b>FT105P</b>	<b>FT208P</b>
Supply voltage (+6 ÷ -10%):	230V	230V
Maximum power consumption:	16W	18W
Power consumption in stand-by:	10W	10W
Input protection fuse:	0,315A	0,315A
Maximum distance of an extension line with 0.6 mm <sup>2</sup> telephone pair:	350m	350m
Dimensions:	226x254x66	226x254x66
Weight:	1.3 Kg	1.4 Kg
Operating temperature:	0°÷40°C	0°÷40°C
Maximum humidity permitted:	85%RH	85%RH
Number of external lines:	1	2
Number of extension lines:	5	8
Number of DTMF receivers:	1	2
Simultaneous internal conversations:	2	2
Simultaneous external conversations:	1	2
Paging communication:	1	1
Intercom calls (additional card):	1 o 2	1 o 2
Preservation of data in case of power failure:	EEprom	EEprom
Extension lines in emergency mode:	41	41 e 42
Extension line for facsimiles, modems, answering machines:	45 *	48 *
Microprocessor control with recorded program		
Solid-state switching matrix		
2-wire internal telephone network		

\* The other extension lines can also be used but in this case. The use of the general call function is not recommended.



## PROGRAMMING

FT  
105P  
208P

Programming allows for personalizing the PABX according to the user's needs and for setting the operating mode for the each individual telephone connected to the PABX.

### PROGRAMMING CAN ONLY BE CARRIED OUT FROM EXTENSION 41.

When turned on, the PABX is programmed for standard use. This programming is defined as "base" and indicated in each chapter.

Only reprogram the PABX parts that need to be modified and leave the rest unchanged. If the PABX is connected to a DTMF external line, use telephones with DTMF dialling and program the external line in DTMF mode, or use telephones with LD dialling and program the external line in LD mode. If the external line is LD, mixed telephones can be used, but the line must always be programmed in LD mode.

When programming or operating the PABX, use **number 1** instead of the **FLASH** in case of LD telephones without such button.

For easier programming, when necessary, press the **FLASH** instead of hanging up.

#### Note

The PABX's are supplied for operation with **DTMF over external line**. For **LD dialling** programming, see page 14.

### HOW TO RETURN TO BASE PROGRAMMING

It is possible to return to base programming at any time, by dialling code **333399** from telephone 41.

This operation restores the base conditions indicated in the manual.

The symbol # in the field indicates that the last number programmed will not be modified when returning to the base program, such as personal security codes.

The symbol \* in the field indicates that the programmed number will be cancelled.

### DAY/NIGHT SERVICE

Two operating modes are available, defined as **day** and **night**.

To recall the **day** service, dial **333301** from telephone 41 (operating mode set in the base programming). To recall the **night** service, dial **333300**.

P  
R  
O  
G  
R  
A  
M  
M  
I  
N  
G



## HOW TO ENABLE OUTGOING CALLS

Select the desired configuration for each telephone and fill-in the table below.

- |          |                    |  |
|----------|--------------------|--|
| <b>0</b> | the extension can: | - make internal calls only   |
| <b>1</b> | the extension can: | - make internal calls<br>- make restricted external calls *  |
| <b>2</b> | the extension can: | - make internal calls<br>- make external calls   |
| <b>3</b> | the extension can: | - make internal calls<br>- make external calls<br>- make international calls   |
| <b>4</b> | the extension can: | - make internal calls<br>- make restricted external calls *<br>- include in conversations with other extensions                  |
| <b>5</b> | the extension can: | - make internal calls<br>- make external calls<br>- include in conversations with other extensions                               |
| <b>6</b> | the extension can: | - make internal calls<br>- make external calls<br>- make international calls<br>- include in conversations with other extensions |

\* This programming mode only allows for calls to the numbers entered in the “activation of enabled numbers” chapter on page 16. For your convenience, write down the numbers in the table on page 46.

### Table

Type of service	Code	Telephones								
		41	42	43	44	45	46	47	48	Base
Day outgoing calls	3333-02	—	—	—	—	—	—	—	—	66666 666
Night outgoing calls	3333-04	—	—	—	—	—	—	—	—	00000 000
		— FT105P								
To program:		— FT208P								

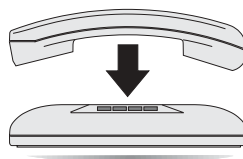
### Note

‘External calls’ are represented by telephone numbers starting with any number and ‘international calls’ by numbers starting with **two 0 (00 - -)**.





- pick up the handset (dialling tone);
- dial the access code 333302 (day) or 333304 (night);
  - (only FT105P) – dial 5 digits to program 5 extensions (see Table). **Always dial a number of 5 digits even if extensions are less than 5.**
  - (only FT208P) – dial 8 digits to program 8 extensions (see Table). **Always dial a number of 8 digits even if extensions are less than 8.**
- wait for the acknowledgement tone and hang up.



	<i>day</i>	<i>night</i>
<b>FT105P</b>	333302xxxxx	333304xxxxx
<b>FT208P</b>	333302xxxxxxxxx	333304xxxxxxxxx

**Example:** if the code below has been dialled, in day service:

extension 41 can make any type of calls and can include in conversations with other extensions

extension 42 can make internal and restricted external calls and can include in conversations with other extensions

extension 43 can make internal and external calls

extension 44 can make internal, external calls and can include in conversations with other extensions

extension 45 can make any type of calls, but can not include in conversations with other extensions

extension 46 can make internal and restricted external calls

extension 47 can only make internal calls

extension 48 can make internal and external calls

3333 02 6 4 2 5 3 1 0 2

P  
R  
O  
G  
R  
A  
M  
M  
I  
N  
G



## HOW TO ENABLE INCOMING CALLS

Select the desired configuration for each telephone and fill-in the table below.

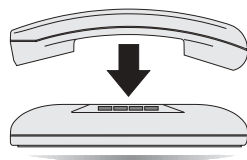
- |   |                    |   |
|---|--------------------|---|
| 0 | the extension can: | - receive internal calls  |
| 1 | the extension can: | - receive internal calls<br>- answer unanswered calls                             |
| 2 | the extension can: | - receive internal calls<br>- receive external calls                              |
| 3 | the extension can: | - receive internal calls<br>- receive external calls<br>- answer unanswered calls |

### Table

Type of service	Code	Telephones								Base
		41	42	43	44	45	46	47	48	
Day incoming calls	3333-03	-	-	-	-	-	-	-	-	33333
Night incoming calls	3333-05	-	-	-	-	-	-	-	-	00000
		- FT105P -								333
		- FT208P -								000

To program:

- pick up the handset (dialling tone);
- dial the access code 333303 (day) or 333305 (night);
  - (only FT105P) – dial 5 digits to program 5 extensions (see Table). **Always dial a number of 5 digits even if extensions are less than 5.**
  - (only FT208P) – dial 8 digits to program 8 extensions (see Table). **Always dial a number of 8 digits even if extensions are less than 8.**
- wait for the acknowledgement tone and hang up.

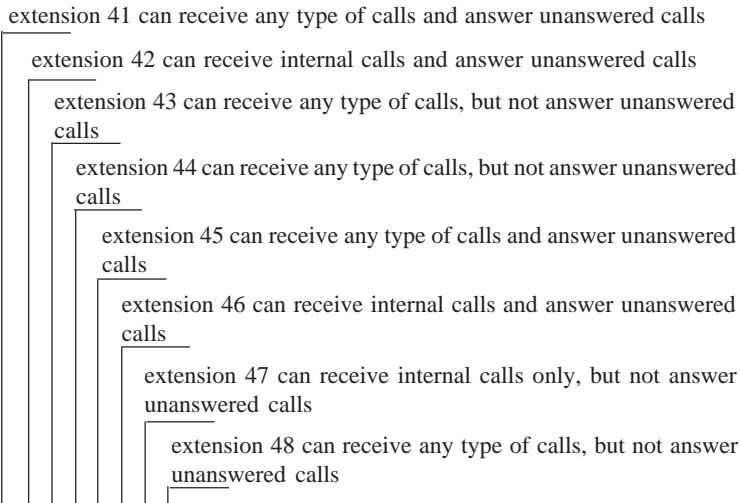


	day	night
FT105P	333303xxxxx	333305xxxxx
FT208P	333303xxxxxxxxx	333305xxxxxxxxx



**Example:** if the code below has been dialled, in day service:

**FT**  
**105P**  
**208P**



3333 03 3 1 2 2 3 1 0 2

**HOW TO ASSIGN INCOMING EXTERNAL LINES**

Select the incoming lines to be assigned to each telephone and fill-in the table below.

- 0** the extension: - is not enabled to receive calls from the external lines
- 1** the extension: - is enabled to receive calls from external line 1
- 2** the extension: - is enabled to receive calls from external line 2
- 3** the extension: - is enabled to receive calls from external lines 1 and 2

**Note:**

- The assignment of the incoming calls also allows for answering to **D.I.S.A. calls** (if enabled).
- For **FT105P**, only insert number **0** or **1**.

**Table**

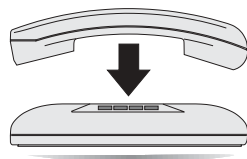
Type of service	Code	Telephones								Base	
		41	42	43	44	45	46	47	48		
Day incoming calls	3333-07	-	-	-	-	-	-	-	-	33333	333
Night incoming calls	3333-09	-	-	-	-	-	-	-	-	00000	000
		— FT105P —									
		— FT208P —									

**P**  
**R**  
**O**  
**G**  
**R**  
**A**  
**M**  
**M**  
**I**  
**N**  
**G**



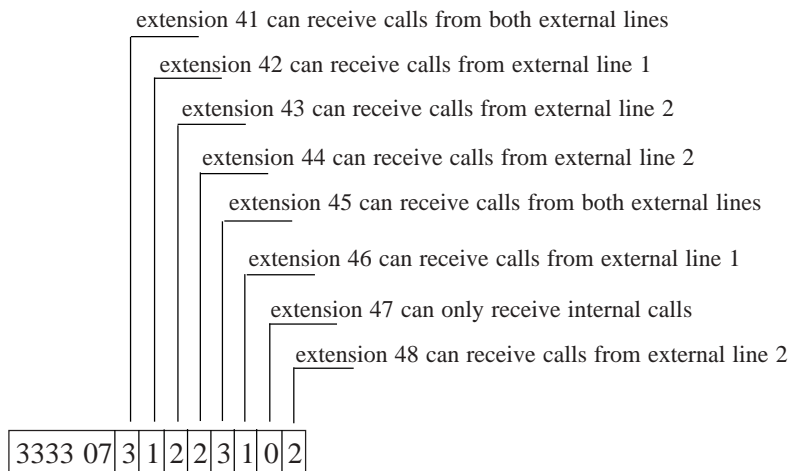
To program:

- pick up the handset (dialling tone);
- dial the access code 333307 (day) or 333309 (night);
  - (only FT105P) – dial 5 digits to program 5 extensions (see Table). **Always dial a number of 5 digits even if extensions are less than 5.**
  - (only FT208P) – dial 8 digits to program 8 extensions (see Table). **Always dial a number of 8 digits even if extensions are less than 8.**
- wait for the acknowledgement tone and hang up.



	<i>day</i>	<i>night</i>
<b>FT105P</b>	333307xxxxx	333309xxxxx
<b>FT208P</b>	333307xxxxxxxxx	333309xxxxxxxxx

**Example:** if the code below has been dialled, in day service:



## HOW TO ASSIGN OUTGOING EXTERNAL LINES

FT

208P

P  
R  
O  
G  
R  
A  
M  
M  
I  
N  
G

Select the outgoing lines to be assigned to each telephone and fill-in the table below.

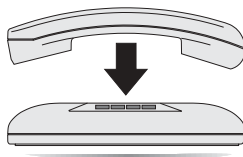
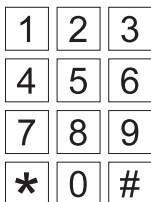
- 0 the extension: - is not enabled to make calls on the external lines
- 1 the extension: - is enabled to make calls on external line 1
- 2 the extension: - is enabled to make calls on external line 2
- 3 the extension: - is enabled to receive calls on external lines 1 and 2

### Table

Type of service	Code	Telephones								Base
		41	42	43	44	45	46	47	48	
Day outgoing calls	3333-06	-	-	-	-	-	-	-	-	33333333
Night outgoing calls	3333-08	-	-	-	-	-	-	-	-	00000000

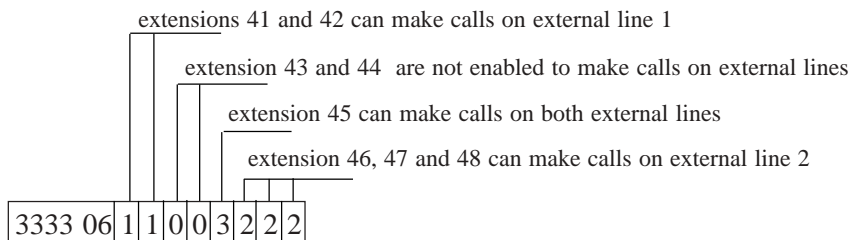
To program:

- pick up the handset (dialling tone);
- dial the access code 333306 (day) or 333308 (night);
  - (only FT208P) – dial 8 digits to program 8 extensions (see Table). **Always dial a number of 8 digits even if extensions are less than 8.**
- wait for the acknowledgement tone and hang up.



day                      night  
**FT208P** 333306xxxxxxxx 333308xxxxxxxx

**Example:** if the code below has been dialled, in day service:



## FLASH TIME

When using Italian homologated DTMF telephones, select **number 0** (< 130 msec.). For other types of telephones, select the value from the options listed below according to the telephone specifications. Fill-in the table below.

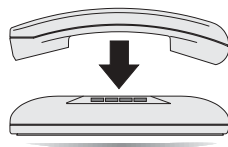
- 0** Flashing time lower than 130 msec.
- 1** Flashing time lower than 330 msec.
- 2** Flashing time lower than 770 msec.
- 3** Flashing time lower than 970 msec.

### Table

Type of service	Code	Telephones	Base
<b>Flashing time</b>	<b>3333-14</b>	<b>41 42 43 44 45 46 47 48</b>	<b>00000 000</b>
		<b>— FT105P —</b>	<b>— FT208P —</b>

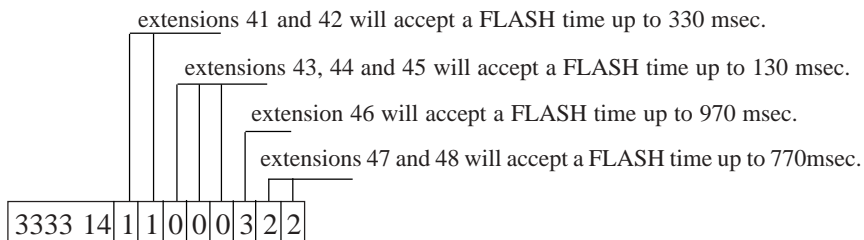
To program:

- pick up the handset (dialling tone);
- dial the access code 333314;
  - (only FT105P) – dial 5 digits to program 5 extensions (see Table). **Always dial a number of 5 digits even if extensions are less than 5.**
  - (only FT208P) – dial 8 digits to program 8 extensions (see Table). **Always dial a number of 8 digits even if extensions are less than 8.**
- wait for the acknowledgement tone and hang up.



**FT105P** 333314xxxxx  
**FT208P** 333314xxxxxxxxx

**Example:** if the code below has been dialled:



## HOW TO ENABLE THE PERSONAL SERVICES

FT  
105P  
208P

This procedure allows for enabling the 'do not disturb', 'follow me' and 'timed follow me' services described on pages 27 and 28.

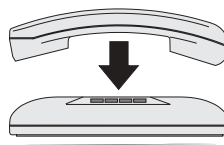
- 0 all services are disabled
- 1 'do not disturb' is enabled
- 2 'follow me' and 'time follow me' are enabled
- 3 all services are enabled

### Table

Type of service	Code	Telephones								Base
Enabled services	3333-16	41	42	43	44	45	46	47	48	00000 000
		-	-	-	-	-	-	-	-	
		- FT105P					FT208P			

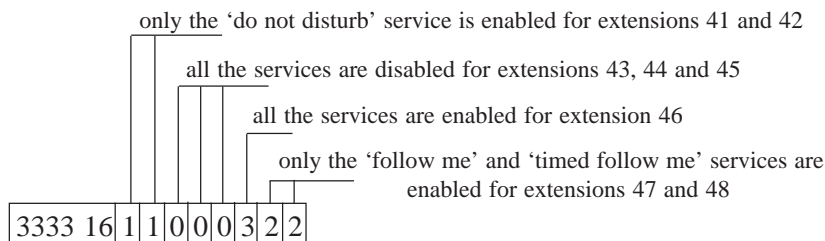
To program:

- pick up the handset (dialling tone);
- dial the access code 333316;
  - (only FT105P) – dial 5 digits to program 5 extensions (see Table). **Always dial a number of 5 digits even if extensions are less than 5.**
  - (only FT208P) – dial 8 digits to program 8 extensions (see Table). **Always dial a number of 8 digits even if extensions are less than 8.**
- wait for the acknowledgement tone and hang up.



FT105P 333316xxxxx  
FT208P 333316xxxxxxxxx

**Example:** if the code below has been dialled:



P  
R  
O  
G  
R  
A  
M  
M  
I  
N  
G



## HOW TO PROGRAM THE SYSTEM

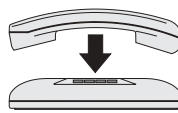
This function allows for characterising the operation mode of the PABX (decadic/multifrequency operation, impulse tone activation/deactivation, duration of intercom call, DISA activation/deactivation).

**Table FT208P**

	0	LD dialling of extensions on external line 1
	1	DTMF dialling of extensions on external line 1
	0	LD dialling of extensions on external line 2
	1	DTMF dialling of extensions on external line 2
	0	disables warning tone to remind the end of LD dialling time on external line 1
	1	enables warning tone to remind the end of LD dialling time on external line 1
	0	disables warning tone to remind the end of LD dialling time on external line 2
	1	enables warning tone to remind the end of LD dialling time on external line 2
	0	intercom call no. 1 (terminal 6a) lasts 25 sec.
	1	intercom call no. 1 (terminal 6a) lasts 5 sec.
	0	intercom call no. 2 (terminal 6b) lasts 25 sec.
	1	intercom call no. 2 (terminal 6b) lasts 5 sec.
	0	disables D.I.S.A. over external line 1
	1	enables D.I.S.A. over external line 1
	0	disables D.I.S.A. over external line 2
	1	enables D.I.S.A. over external line 2
3333-17	-	11000000
Code	Numbers to be dialled	Base

To program:

- pick up the handset (dialling tone);
- dial the access code 333317;
- dial 8 digits to program the requested general services (see Table). **Always dial a number of 8 digits even if some services remain unchanged.**
- wait for the acknowledgement tone and hang up.





**Example FT208P:** if the following code has been dialled:

33331711001001

- external lines has DTMF dialling. The warning tone reminding the end of the LD dialling time is disabled.
- intercom call no. 1 lasts 5 sec, while intercom call no. 2 lasts 25 sec.
- the D.I.S.A. function is enabled for external line 2, but not for external line 1.

**Table FT105P**

	0	LD dialling of extensions on external line
	1	DTMF dialling of extensions on external line
	0	disables warning tone to remind the end of LD dialling time on external line
	1	enables warning tone to remind the end of LD dialling time on external line
	0	intercom call no. 1 (terminal 6a) lasts 25 sec.
	1	intercom call no. 1 (terminal 6a) lasts 5 sec.
	0	intercom call no. 2 (terminal 6b) lasts 25 sec.
	1	intercom call no. 2 (terminal 6b) lasts 5 sec.
	0	disables D.I.S.A. over external line
	1	enables D.I.S.A. over external line
3333-17	-	10000

Code      Numbers to be dialled      Base

To program:

- pick up the handset (dialling tone);
- dial the access code 333317;
- dial 5 digits to program the requested general services (see Table). **Always dial a number of 5 digits even if some services remain unchanged.**
- wait for the acknowledgement tone and hang up.

**Example FT105P:** if the following code has been dialled:

33331710101

- external line has DTMF dialling. The warning tone reminding the end of the LD dialling time is disabled.
- intercom call no. 1 lasts 5 sec, while intercom call no. 2 lasts 25 sec.
- the D.I.S.A. function is enabled

#### Notes

- If the intercom card (art. **ES60** or **ES65**) is not present, either 0 or 1 can be inserted when programming the duration of the intercom call.
- **In case of DTMF lines, use only DTMF telephones.**



## HOW TO ACTIVATE THE SEQUENCE OF ENABLED NUMBERS

This function allows for enabling max. 8 sequences of numbers (from 1 to 8 digits) with which the telephone number must start in order to overcome the dialling control. Fill-in with the chosen numbers the table on page 46.

The access codes for this service are:

**3333-30, 3333-31, 3333-32, 3333-33, 3333-34, 3333-35, 3333-36 and 3333-37.**

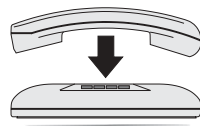
To insert the enabled numbers:

- pick up the handset (dialling tone);
- dial the access code 333330;
- dial a number from 1 to 8 digits (fill-in with the number the table on page 46),
  - if the number is made up of 8 digits, wait for the acknowledgement tone and hang up.
  - if the number has less than 8 digits, hang up after dialling the last digit, without waiting for the acknowledgement tone.

To insert the other numbers, repeat the same procedure using a different access code.



1	2	3
4	5	6
7	8	9
*	0	#



<b>FT105P</b>	333330xxxxxxx	333331xxxxxxx	333337xxxxxxx
<b>FT208P</b>	333330xxxxxxx	333331xxxxxxx	333337xxxxxxx

**Example:** if the following codes have been dialled:

333330071, 3333310187, 33333206854 the telephones for which the dialling control function is enabled (see page 18) can only make calls to numbers starting with 071, 0187 and 06854.



## HOW TO CONTROL THE AREA CODE DIALLING

FT  
105P  
208P

This function allows for blocking max. 8 sequences of numbers (from 1 to 8 digits) dialled as first digits a telephone number. Fill-in the table of the page 46.

The access codes for this service are: **3333-22, 3333-23, 3333-24, 3333-25, 3333-26, 3333-27, 3333-28 and 3333-29.**

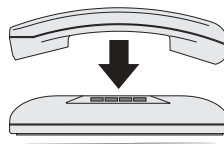
To insert the blocking number:

- pick up the handset (dialling tone);
- dial the access code 333322;
- dial a number from 1 to 8 digits (fill-in with the number the table on page 46),
  - if the number is made up of 8 digits, wait for the acknowledgement tone and hang up.
  - if the number is made up of less than 8 digits, hang up after dialling the last digit, without waiting for the acknowledgement tone.

To insert the other blocking numbers, repeat the same procedure using a different access code.



1	2	3
4	5	6
7	8	9
*	0	#



<b>FT105P</b>	333322xxxxxxxx	333323xxxxxxxx	333329xxxxxxxx
<b>FT208P</b>	333322xxxxxxxx	333323xxxxxxxx	333329xxxxxxxx

**Example:** if the codes indicated below have been dialled:

333322166, 333323033, 33332400158661 the telephones for which the area code dialling control is enabled (see next paragraph) cannot dial numbers starting with 166, 033 and 00158661.

## HOW TO DELETE THE ENABLED NUMBERS AND THE AREA CODES

To delete the enabled numbers and the area codes (see pages 16 and 17):

- pick up the handset (dialling tone);
- dial the access code of the number to be deleted;
- hang up.

**Example:** dial 333335 and hang up to delete the number stored in position 35 of the enabled numbers.

P  
R  
O  
G  
R  
A  
M  
M  
I  
N  
G



## HOW TO ENABLE THE DIALLING CONTROL

This function allows for setting the extensions for which the area code dialling are activated (page 17). Fill-in with the chosen number the table below.

- 0 extension dialling not controlled
- 1 extension dialling controlled

### Table

Type of service	Code	Telephones								Base
		41	42	43	44	45	46	47	48	
Enables extension control	3333-15	-	-	-	-	-	-	-	-	00000 000
		- FT105P					- FT208P			

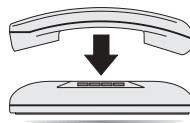
To program:

- pick up the handset (dialling tone);
- dial the access code 333315;
  - *only FT105P* – dial 5 digits to program 5 extensions (see Table). **Always dial a number of 5 digits even if extensions are less than 5.**
  - *(only FT208P)* – dial 8 digits to program 8 extensions (see Table). **Always dial a number of 8 digits even if extensions are less than 8.**
- wait for the acknowledgement tone and hang up.



1	2	3
4	5	6
7	8	9
*	0	#

**FT105P** 333315xxxxx  
**FT208P** 333315xxxxxxxx



**Example:** if the code below has been dialled:

for extensions 41, 42, 43, 44 and 45 dialling is not controlled

3	3	3	3	1	5	0	0	0	0	1	1	1
---	---	---	---	---	---	---	---	---	---	---	---	---

for extensions 46, 47 and 48 dialling is controlled. These extensions can dial numbers starting with the digits contained in the enabled numbers, except for those starting with the sequence included in the blocking numbers (see page 17).

### Note

The control of the area code dialling depends on the types of outgoing calls enabled (see page 6 and next).

*Example:* if the extension cannot make outgoing calls, this service does not affect operation.



## OPERATING INSTRUCTIONS

FT  
105P  
208P

When programming or operating the PABX, in case of telephones with LD dialling use **number 1** instead of the **FLASH**.

## HOW TO RECALL OPERATING MODES

### DAY service recalling

**3333-01 (base)**

Allows for operating each telephone in **day** service (according to the specific programming).

### NIGHT service recalling

**3333-00**

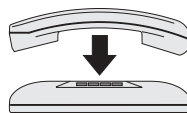
Allows for operating each telephone in **night** service (according to the specific programming).

## INTERNAL COMMUNICATIONS

The extensions can install an internal communication.

### Operation

- pick up the handset (dialling tone);
- dial the extension number desired (from **41** to **48** for **FT208P**; from **41** and **45** for **FT105P**);
  - call control tone if the extension is free
  - busy tone if the extension is busy; after 5 sec. the PABX sends the call incoming tone to the busy extension and the call control tone to the calling extension. The busy extension can use the "ANSWER UPON CALL INCOMING TONE" service (or hang up and wait for the telephone ring).
- the extension called picks up the handset to start conversation
- at the end of the conversation, hang up
  - as soon as one extension hangs up, the other extension receives the dissuasion tone.



O  
P  
E  
R  
A  
T  
I  
O  
N

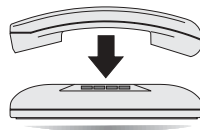
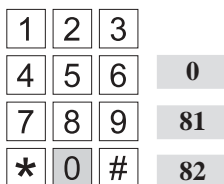


## OUTGOING EXTERNAL COMMUNICATIONS

Telephones can make calls over the public network.

### Operation

- pick up the handset (dialling tone);
- dial:
  - 0 to access the first external line free
  - 81 to access external line 1 (*only for FT208P*)
  - 82 to access external line 2 (*only for FT208P*)
- wait for the public network tone
- dial the number of the desired user
  - calling tone if the user is free
  - busy tone if the user is busy



### Notes

- If no number is dialled within 20 seconds, the extension is encapsulated.
- If more than 10 seconds elapse between two digits, the next digits are not sent over the line (only LD telephones).
- If the call is made from an extension that is not enabled to external/long distance calls, the dissuasion tone is sent.

## INCOMING EXTERNAL COMMUNICATIONS

Telephones can answer calls coming from the public network.

### Operation

The telephone rings

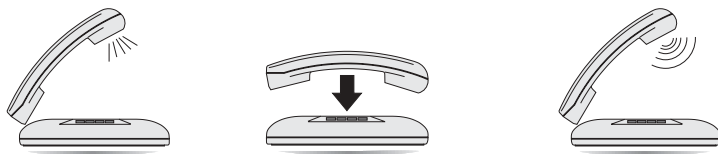
- pick up the handset and answer



or during an internal/external conversation

call incoming tone

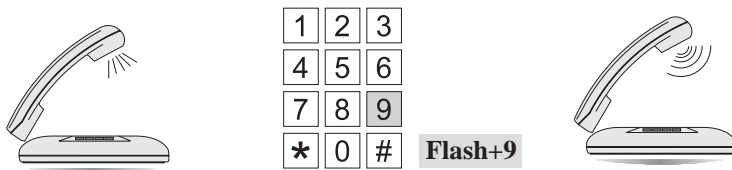
- hang up
- wait for the telephone ring
- pick up the handset and answer



or during an internal/external conversation

call incoming tone

- press **FLASH** to put the other user in hold-on mode; dialling tone
- dial **9**
  - conversation with the calling user starts



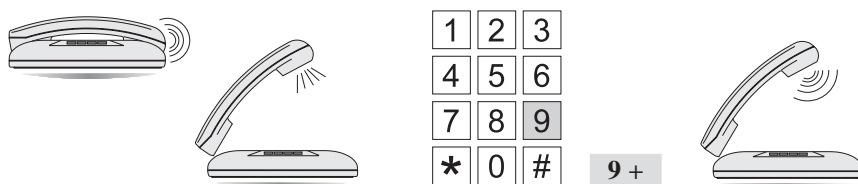
## HOW TO ANSWER UNANSWERED CALLS

This function allows for answering external calls from an extension with disabled ring.

### Operation

Another extension rings

- pick up the handset (dialling tone)
- dial **9**
- dial the extension number which is ringing
  - start conversation



41 ÷ 48



## HOW TO PUT THE EXTERNAL/INTERNAL LINE IN HOLD-ON

This function allows for putting the external/internal user in hold-on during the conversation.

### Operation

During the conversation

- press **FLASH** (dialling tone)
  - the line is put in hold-on and the user hears:
    - music in case of external conversation
    - hold-on tone in case of internal conversation
- press **FLASH** to resume the user in hold-on.

### Notes

- In case of external outgoing calls, the line can be put in hold-on only after 10 seconds from the last digit dialled.
- Put the call in hold-on and hang up. If no call is received and no conversation is in progress, the telephone rings for 25 seconds to remind the operator of the hold-on call. After that, the call is cleared.



1	2	3
4	5	6
7	8	9
*	0	#

**Flash**

## INCLUSION

This function allows for an extension to overlap during a conversations between an extension and the external line (or between 2 extensions).

### Operation

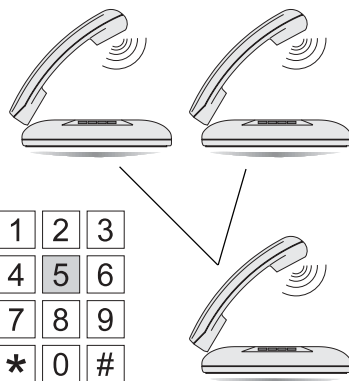
The called user is busy because of an external/internal call.

After the busy tone:

- press **FLASH**
- dial **5**
  - the user overlaps the conversation
  - all users hear the inclusion tone

The three users can start the conversation.

**Note:** this service must be previously programmed (see page 6)



**Flash+5**





## HOW TO RESUME A CALL

FT  
105P  
208P

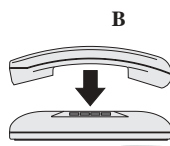
This function allows for resuming the call in hold-on.

### Operation

Extension A is having a conversation with extension B (or external line), while extension C (or external line) is in hold-on. To resume the call in hold-on:



- wait until B hangs up (if it is an extension)  
- call C in hold-on is automatically resumed



or

- press **FLASH** (dialling tone)  
- call B is put in hold-on
- press **FLASH** again  
- call B is resumed



Flash

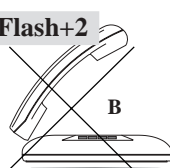


or

- press **FLASH** (dialling tone)  
- call B is put in hold-on
- dial **2**  
- call B is ended  
- call C is resumed



Flash+2

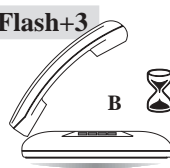


or

- press **FLASH** (dialling tone)  
- call B is put in hold-on
- dial **3**  
- call B is put in hold-on  
- call C is resumed



Flash+3



In summary:

- press **FLASH** twice to put call B in hold-on and resume it
- press **FLASH + 2** to resume call C and end call B
- press **FLASH + 3** to resume call C and put call B in hold-on

O  
P  
E  
R  
A  
T  
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O  
N



## TRANSFER WITH OFFER

This function allows for transferring an external call to an extension with the extension's approval.

### Operation

During the external call:

- press **FLASH** to put the external call in hold-on
- dial the desired extension number
- make the internal connection and inform the extension of the transfer
- hang up
  - the external call is transferred to the extension

1	2	3
4	5	6
7	8	9
*	0	#

**Flash**

### Notes

- If the extension is busy, follow the "INCLUSION" procedure (see page 22).
- If the extension rejects the call, follow the "HOW TO RESUME A CALL" procedure (see page 23).

## AUTOMATIC TRANSFER

This function allows for transferring an external call to an extension automatically, without the extension's approval.

### Operation

During the external call:

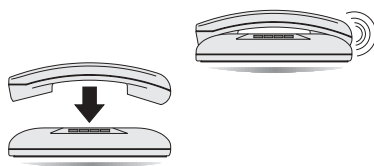
- press **FLASH** to put the external call in hold-on
- dial the desired extension number
- hang up without waiting for an answer from the extension

The extension picks up the handset to receive the external call directly.

1	2	3
4	5	6
7	8	9
*	0	#

**Flash**

1	2	3
4	5	6
7	8	9
*	0	#



### Notes

The external user hears the call control tone.

If the extension does not answer within 25 seconds, the call is returned to the transferring user.

If the extension is busy, the extension hears the call waiting tone for about 50 seconds and then the call is returned to the transferring user.

If the external line remains in hold-on, without completing the transfer, the PABX keeps calling for 50 seconds and then clears the external call.



## ANSWER UPON CALL INCOMING TONE

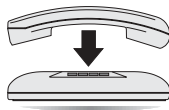
FT  
105P  
208P

This function allows for answering an incoming call during the conversation.

### Operation

In case of call incoming tone during the conversation, to answer the incoming call:

- hang up
  - the telephone rings



or

- press **FLASH** to put the other user in hold-on (dialling tone)
- dial **9** to start conversation with the calling user



Flash+9

### Note

If the calling user is talking with another extension when dialling 9, hang up and wait for the ring to resume the previous conversation.

O  
P  
E  
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I  
O  
N

## GENERAL CALL

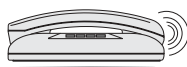
It allows making a call to all extensions – except for extension **48 (FT208P)** or **45 (FT105P)**.

### Operation

- pick up the handset (dialling tone)
- dial **40** (call control tone)
  - the call is sent to all extensions, except for extension 48 (FT208P) or 45 (FT105P).



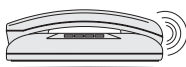
40



FT105P

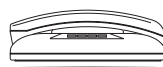
41

÷



44

47



45

48

The first extension that picks up the handset starts conversation. The other extensions stop ringing.

### Note

Extension no. 8 for FT208P (or no. 5 for FT105P) does not ring in case of general call, since it is dedicated to the operation of facsimiles, modems or answering machines.



## THREE-WAY CONFERENCE

This function allows for conversation with three internal users or two internal and one external user.

### Operation

During the external/internal conversation:

- press **FLASH**
  - dialling tone
  - hold-on tone for the external/internal user
- dial the desired extension number
- dial **FLASH + 5** when the extension answers

Conference tone and the three-way conference starts.

1	2	3
4	5	6
7	8	9
*	0	#

**Flash**

1	2	3
4	5	6
7	8	9
*	0	#

**41 ÷ 48**

1	2	3
4	5	6
7	8	9
*	0	#

**Flash+5**



## ROOM MONITOR (environmental control)

This function allows for listening to voices and noises from other rooms (i.e. the baby's room).

### Operation

- pick up the handset of the room to be monitored; dissuasion tone after 10 seconds.
- pick up the handset of any other extension
- dial **730**
- dial the extension number to be monitored

Voices and noises coming from the extension can be heard. The extension stops receiving the dissuasion tone.

To end the service, hang up the handset of the monitored extension.



1	2	3
4	5	6
7	8	9
*	0	#

**730**

1	2	3
4	5	6
7	8	9
*	0	#

**41 ÷ 48**



## PERSONAL SERVICES

FT  
105P  
208P

The “do not disturb”, “follow me” and “timed follow me” services can be activated one at a time, dialling the proper code. Activation/deactivation must be carried out from the telephone requesting the services. **For information about enabling personal services see page 13.**

### DO NOT DISTURB

This function allows for disabling the ring function for all incoming calls and sending the dissuasion tone to the calling users (if programmed).

#### To enable the service:

- pick up the handset (dialling tone)
- dial **72** (acknowledgement tone)
- hang up.

1	2	3
4	5	6
7	8	9
72	*	0 #

#### To resume the ring function:

- pick up the handset (dialling tone)
- dial **70** (acknowledgement tone)
- hang up.

1	2	3
4	5	6
7	8	9
70	*	0 #

### FOLLOW ME

This function allows to switch all incoming calls directed to a specific user to another extension (if programmed).

#### To enable the service:

- pick up the handset (dialling tone)
- dial **731**
- dial the extension number to switch the calls (acknowledgement tone)
- hang up.

1	2	3
4	5	6
7	8	9
731	*	0 #

#### To resume the ring function:

- pick up the handset (dialling tone)
- dial **70** (acknowledgement tone)
- hang up.

1	2	3
4	5	6
7	8	9
70	*	0 #

O  
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E  
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## TIMED FOLLOW ME

This function allows to switch all incoming calls directed to a specific user to another extension after 3 rings (if programmed).

### To enable the service:

- pick up the handset (dialling tone)
- dial **732**
- dial the extension number to divert the calls (acknowledgement tone)
- hang up.

1	2	3
4	5	6
7	8	9
732	*	0 #

1	2	3
4	5	6
7	8	9
*	0	#

### To resume the ring function:

- pick up the handset (dialling tone)
- dial **70** (acknowledgement tone)
- hang up.

1	2	3
4	5	6
7	8	9
70	*	0 #

## UNDO THE LAST OPERATION

This function allows for receiving the dialling tone without hanging up.

### Operation

In case of **dissuasion, acknowledgement, congestion, call control and busy** tone, to make another call without hanging up:

- press **FLASH** (or dial **1** if in LD mode)  
- dialling tone; the last operation is cancelled

1	2	3
4	5	6
7	8	9
*	0	#

Flash



## EXTENSION BOOKING

FT  
105P  
208P

This function allows for booking a busy extension.

### Operation

While the busy tone is received:

- press **FLASH**  
- dialling tone
- dial **74**  
- acknowledgement tone
- hang up.

1	2	3
4	5	6
7	8	9
*	0	#

**Flash+74**

### Note

When the busy extension hangs up, the two telephones receive a call with differentiated ring (booking call).

## EXTERNAL LINE BOOKING

This function allows for booking a busy external line.

### Operation

While the busy tone is received:

- press **FLASH**  
- dialling tone
- dial **74**  
- acknowledgement tone
- hang up.

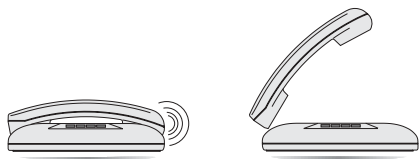
1	2	3
4	5	6
7	8	9
*	0	#

**Flash+74**

**When the external line becomes free**, the telephone receive a call with differentiated ring (booking call).

The user can:

- pick up the handset
- wait for the public network tone
- dial the desired number.



1	2	3
4	5	6
7	8	9
*	0	#

### Note for FT208P

If a specific external line (**81** or **82**) was requested, only that line is booked.

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## EXCLUSIVE PARKING

This function allows for parking the external line in hold-on.

### Operation

To park the external call in hold-on:

- press **FLASH**  
- dialling tone; the call is put in hold-on
- dial **75**  
- acknowledgement tone; the external call is put in exclusive parking and other operations can be carried out.

To resume the parked call:

- pick the handset of the extension which has parked the call  
- dialling tone
- dial **75**  
- the parked call is resumed.

### Note

If the external call is parked for more than 50 seconds, the PABX generates a return call to the extension that carried out the operation.

1	2	3
4	5	6
7	8	9
*	0	#

**Flash+75**

1	2	3
4	5	6
7	8	9
*	0	#

**75**

## COMMON PARKING

This function allows for parking the external line in hold-on, making it available for any telephone:

### Operation

To park the external call in hold-on:

- press **FLASH**  
- dialling tone; the call is put in hold-on
- dial **76**  
- acknowledgement tone; the external call is put in common parking and other operations can be carried out.

To resume the parked call:

- pick the handset of any extension  
- dialling tone
- dial **76**  
- the parked call is resumed.

### Notes

- If the external call is parked for more than 50 seconds, the PABX generates a return call to the extension which carried out the operation.
- The parked call can be resumed from any extension.

1	2	3
4	5	6
7	8	9
*	0	#

**Flash+76**

1	2	3
4	5	6
7	8	9
*	0	#

**76**





## ACCESS TO PUBLIC EXCHANGE SERVICES IN LD DIALLING

FT  
105P  
208P

This function allows for accessing to Public Exchange Services from only telephones with LD dialling (such as failure report, telegram dictation, automatic alarm, etc.). Dialling is permitted on the external line with 10 second interval max. between digits.

### Operation

During the connection with the external line, to send numbers (if programmed, time-out is indicated by the warning tone to remind the end of LD dialling time):

- dial 7  
- 10 seconds are available to dial the next digit.

1	2	3
4	5	6
7	8	9
*	0	#

7

### Notes

This is required only for telephones with LD dialling.

**Signals are always sent from DTMF telephones.**

## ACCESS TO PUBLIC EXCHANGE SUPPLEMENTARY SERVICES

This function allows for sending a flash pulse in DTMF over the external line to access Public Exchange supplementary services (such as call waiting, conference, answering machine, etc.) (only from telephones with DTMF dialling).

During the external call:

- press **FLASH** to put the external call in hold-on
- dial 77 to send a flash pulse over the external line and resume the line
- dial the number of the Public service desired.

The outgoing Flash is a line disconnection timed 64msec.

1	2	3
4	5	6
7	8	9
*	0	#

1	2	3
4	5	6
7	8	9
*	0	#

Flash+77

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## HOW TO ENABLE THE DIRECT D.I.S.A DIALLING

This function allows an external user to call the desired extension directly (if the extension number is known). **The service only works if the call is made over the public line from a DTMF telephone.**

### Note

D.I.S.A. calls can also be received by a user enabled to incoming lines (see pages 8 and 9 – “How to Assign Incoming External Lines”), but not enabled to receive calls.

### Programming

For information on the service activation, see chapter “System programming” on page 14.

### Operation

Select the external line enabled to the D.I.S.A. function from an external telephone. Post-dialling user's number after a D.I.S.A. post-dialling tone.

Select the desired extension number within 5 seconds (*41 ÷ 48 for FT208P; 41 ÷ 45 for FT105P*). The call control tone is sent, while the called extension rings. The call is ended if the extension does not answer within 50 seconds.

### Note

- In case of: 1) incorrect dialling , 2) no code sent within 5 seconds, 3) extension not enabled to receive D.I.S.A. calls or 4) busy extension, the call is automatically sent to all extensions enabled to receive external calls from the specific external line.

## AUTOMATIC FAX RECOGNITION

It allows for automatically activating the fax extension.

The service is available only if the **DISA function is enabled** in the exchanger.

The fax must be connected to **extension 45** for model **FT105P** or **extension 48** for model **FT208P**.

### Programming

For information on the service activation, see chapter “System programming” on page 14.

For information on how to make or receive calls, see programming from page 6 to page 11.

### Operation

Upon receipt of an external call, the exchanger will automatically enable the extension connected to the fax.



## CALLER ID

FT  
105P  
208P

OTHER SERVICES

It allows for displaying the calling telephone number on max. 4 devices. **The service is available only in the presence of the optional board art. ES70**, upon request to the telephone provider. For information on how to insert the board, see the instructions manual supplied with the product.

- 0 service disabled
- 1 service enabled

### Table

Type of service	Code	Telephones								Base
		41	42	43	44	45	46	47	48	
Enabling the Caller ID	3333-18	-	-	-	-	-	-	-	-	00000 000
		- FT105P				FT208P				

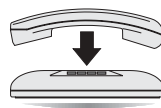
To program:

- pick up the handset (dialling tone);
- dial the access code 333316;
  - (only FT105P) – dial 5 digits to program 5 extensions (see Table). **Always dial a number of 5 digits even if extensions are less than 5.**
  - (only FT208P) – dial 8 digits to program 8 extensions (see Table). **Always dial a number of 8 digits even if extensions are less than 8.**
- wait for the acknowledgement tone and hang up.



1	2	3
4	5	6
7	8	9
*	0	#

FT105P 333318xxxxx  
FT208P 333318xxxxxxxxx



**Example:** if the following code is entered:

33331811010100

- the calling telephone number will only be displayed on extensions 41, 42, 44 and 46.

### Notes

- The caller ID service **will not work** if the external lines are programmed for direct dialling (DISA) (see page 14 for DISA programming).
- **The maximum number of extensions** with the caller ID function is **4**. If a higher number of telephones is enabled during programming, the exchanger will automatically recognise only the first 4 telephones and exclude the others from the service.



## PABX DIRECTORY

This function allows for storing and calling 40 telephone numbers by only dialling 4 digits. Write the chosen numbers (max. 20 digits) in the table on page 47.

The access code for this service is **2222**.

To program (from extension 41):

- pick up the handset; dialling tone;
- dial the access code 2222;
- dial 2 digits from 00 to 39 (directory locations);
- dial the telephone number to be memorized in the above selected directory location;
- hang up.

### Notes

- In case of international calls, insert a pause after each area code. The pause takes up the place of one digit.
- To insert a pause, wait for 5 seconds before dialling the next digit.
- The dissuasion tone is sent if no digits are dialled within 10 seconds. The number is not memorized.
- Hang up without dialling to delete the last stored number (i.e. dial 222214 and hang up to cancel directory location 14).

**Example:** to memorize 0058-875-987138 and associate it with directory location 18, dial 2222-18-0058-pause-875-pause-987138.

## HOW TO USE PABX DIRECTORY

- Pick up the handset; dialling tone
  - dial **71**
  - dial the two digits of the directory associated with the desired user (from 00 to 39)
- The memorized number is automatically dialled always in LD mode. Line tone for a few seconds to check that the line is free and control tone.

### Note

Check the presence of the public network tone after the automatic engagement of the external line.

1	2	3
4	5	6
7	8	9
*	0	#

71

**Example:** select 7118 from any enabled telephone to automatically dial 0058-875-987138 (number of the example above).

**Note.** The dissuasion tone is sent if the PABX directory is dialled from a telephone that is not enabled to make external calls.



## OVERCOMING THE SELECTIVE CONTROL

FT  
105P  
208P

This function allows for accessing PABX directory even from telephones that are not enabled to make external calls. Especially recommended for extremely important or emergency numbers.

When programmed, this function makes the selective control not active on the first location of PABX directory. Program the service with the location of the directory for which the selective control must be active.

Insert a number from 00 to 40.

Type of service	Code	Directory location	Base
Overcoming of selective control	3333-19	_ _	00

To program:

- pick up the handset; dialling tone;
- dial the access code 333319;
- dial the speed number (from 00 to 40);
- wait for the acknowledgement tone and hang up.

**Example:** if the number below has been dialled:

33331909    directory locations from 00 to 08 can be accessed even from extensions that are not enabled to make external calls.

**Note:** Insert 00 to access PABX directory only from the telephones enabled to make outgoing calls. Insert 40 to access PABX directory from any telephone.

### Operation

- pick up the handset  
- dialling tone
- dial 71
- dial the directory location associated to the desired number

1	2	3
4	5	6
7	8	9
*	0	#
71		

### Note

Check the presence of the public network tone after the automatic engagement of the external line.

O  
T  
H  
E  
R  
  
S  
E  
R  
V  
I  
C  
E  
S

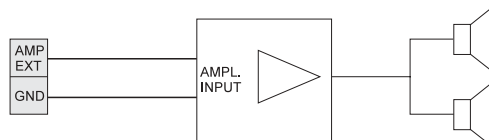


## ACCESS TO THE EXTERNAL AMPLIFIER

This function allows for connection to an external amplifier for the paging service. The use of an amplifier with input impedance ranging from 300 to 1000 Ohm is recommended.

### Installation

- turn off the PABX
- unscrew the 2 upper screws to remove the cover
- connect the amplifier input to terminals AMP EXT and GND
- replace the cover.



### Operation

- pick up the handset  
- dialling tone
- dial **49**  
- access tone; connection with the external amplifier is made.

49

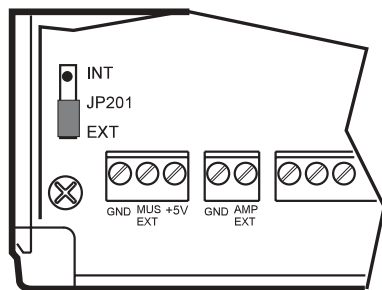
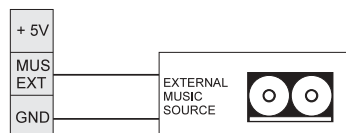
1	2	3
4	5	6
7	8	9
*	0	#

## EXTERNAL HOLD-ON MUSIC

The PABX generates its own hold-on music, but can also be connected to an external music source.

### Installation

- turn off the PABX
- unscrew the 2 upper screws to remove the cover
- connect the external music source to terminals MUS EXT and GND
- move the jumper JP201 located next to the terminal block from INT to EXT
- replace the cover.



### Note

+5V voltage (0,1A maximum current) is also available to power music sources operating at this voltage.



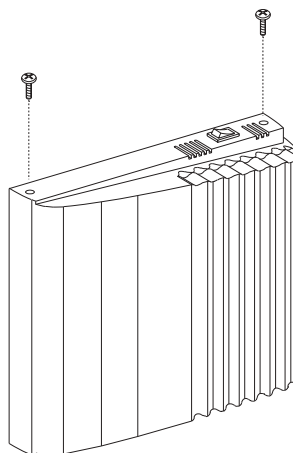
## INTERCOM INTERFACE

FT  
105P  
208P

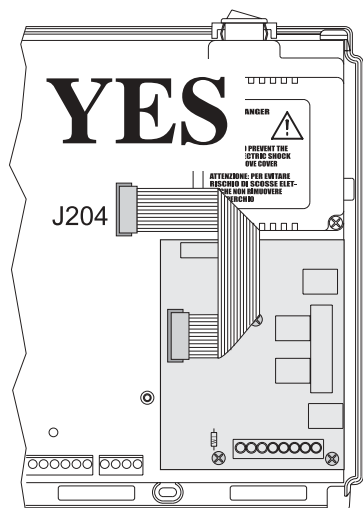
The intercom card art. **ES60** or **ES65** can be installed in the PABX in order to connect with the external intercom station, open the door/automatic gate, turn on the staircase lighting, etc.

### Installing the card

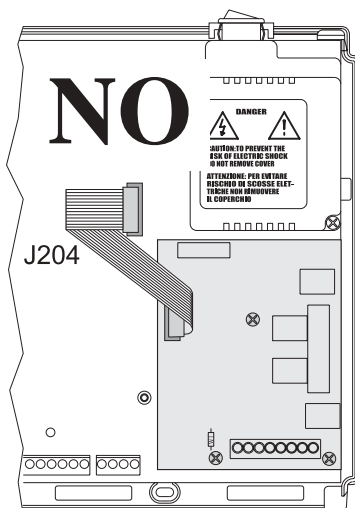
- Make sure that the PABX is off
- Unscrew the 2 upper screws to remove the cover
- Fix the card on the hooks provided
- Connect the cable of the intercom card to the J204 connector
- Connect the intercom wires to the terminal block (see diagrams below)
- Remember to correctly program the PABX



Connection cable **CORRECTLY**  
inserted into the exchanger

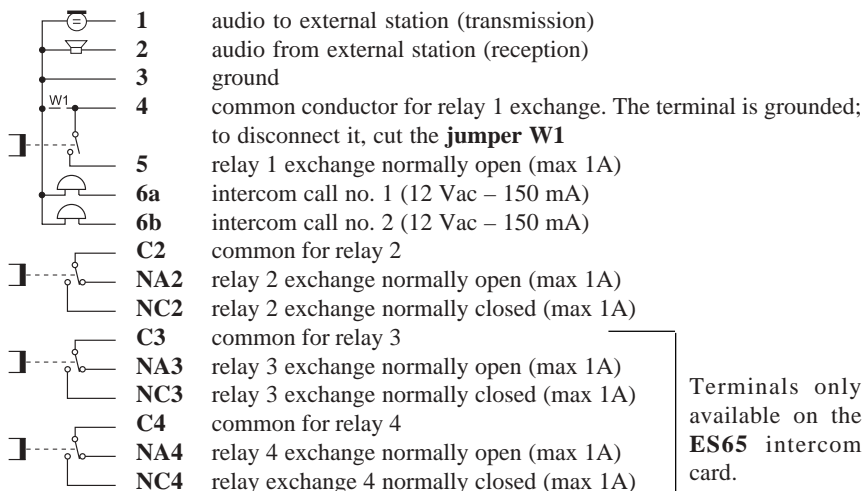


Connection cable **INCORRECTLY**  
inserted into the exchanger

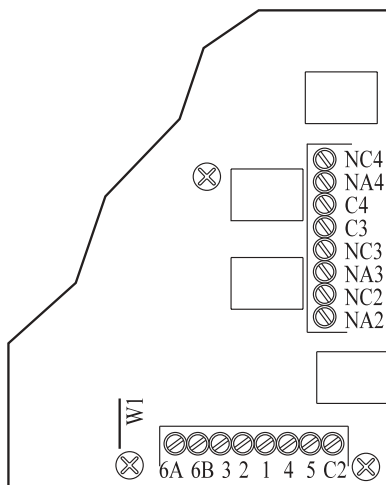


I  
N  
T  
E  
R  
C  
O  
M  
S





Terminals only available on the **ES65** intercom card.





## INTERCOM INSTALLATION DIAGRAM

FT  
105P  
208P

I  
N  
T  
E  
R  
C  
O  
M  
S

This manual contains an example of how to use the intercom interface. For other applications, use any diagram contained in the Farfisa technical manuals, since the terminal numbering and the functions of the intercom card are the same as a Farfisa intercoms connected in 4+1 intercom (call with buzzer) or traditional video-intercom systems (7 + coaxial cable).

### Multi-family intercom installation

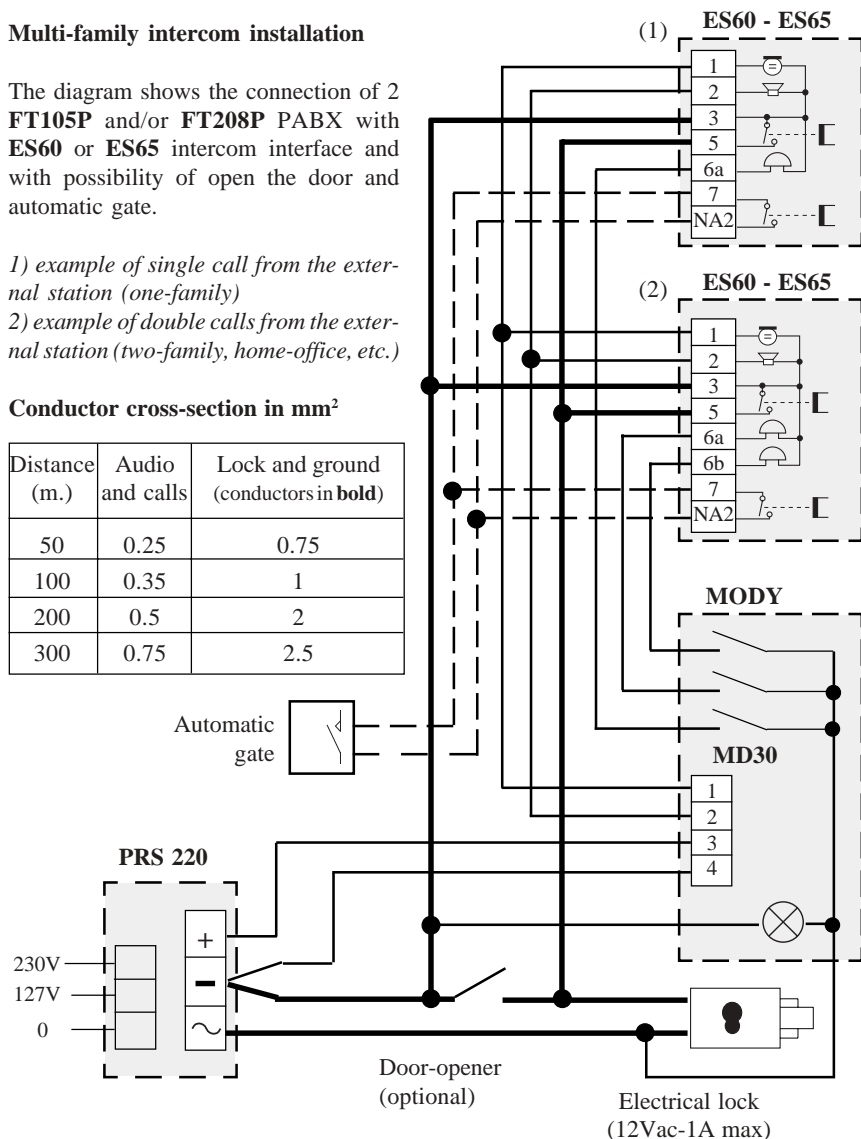
The diagram shows the connection of 2 **FT105P** and/or **FT208P** PABX with **ES60** or **ES65** intercom interface and with possibility of open the door and automatic gate.

1) example of single call from the external station (one-family)

2) example of double calls from the external station (two-family, home-office, etc.)

### Conductor cross-section in mm<sup>2</sup>

Distance (m.)	Audio and calls	Lock and ground (conductors in <b>bold</b> )
50	0.25	0.75
100	0.35	1
200	0.5	2
300	0.75	2.5



## INTERCOM PROGRAMMING

The PABX must be correctly programmed for the intercom card to work.

**Part of the intercom programming is described in the chapter “How to program the system” on page 14.**

### ENABLING THE INTERCOM INTERFACE

Select the desired service for each telephone and write the number in the table below.

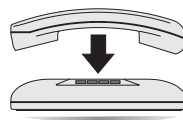
- 0** the extension: - is not enabled to have conversations with the external intercom station  
- is not enabled to activate relays (door-opener, staircase lighting, etc.)
- 1** the extension: - is enabled to have conversations with the external intercom station  
- is not enabled to activate relays (door-opener, staircase lighting, etc.)
- 2** the extension: - is not enabled to have conversations with the external intercom station  
- is enabled to activate relays (door-opener, staircase lighting, etc.)
- 3** the extension: - is enabled to have conversations with the external intercom station  
- is enabled to activate relays (door-opener, staircase lighting, etc.)

Table

Type of service	Code	Telephones								Base
		41	42	43	44	45	46	47	48	
<b>Day intercom enabling</b>	<b>3333-10</b>	—	—	—	—	—	—	—	—	33333 333
<b>Night intercom enabling</b>	<b>3333-12</b>	—	—	—	—	—	—	—	—	00000 000
		— FT105P —					— FT208P —			

To program:

- pick up the handset (dialling tone);
- dial the access code 333310 (day) or 333312 (night);
  - (only FT105P) – dial 5 digits to program 5 extensions (see Table). Always dial a number of 5 digits even if extensions are less than 5.
  - (only FT208P) – dial 8 digits to program 8 extensions (see Table). Always dial a number of 8 digits even if extensions are less than 8.
- wait for the acknowledgement tone and hang up.



	<i>day</i>	<i>night</i>
<b>FT105P</b>	333310xxxxx	333312xxxxx
<b>FT208P</b>	333310xxxxxxxxx	333312xxxxxxxxx



**Example:** if the code below has been dialled, in day service:

extensions 41 and 42 can have conversations with the external intercom station, open the door and/or activate other services

extensions 43 and 44 can have conversations with the external intercom station, but not open the door and/or activate other services

extensions 45 and 46 can open the door of the intercom entrance and/or activate other services, but not have a conversation with the external intercom

extensions 47 and 48 cannot have conversations with the external intercom station, cannot open the door and/or activate other services

3333 10 3 3 1 1 2 2 0 0

## ENABLING TO INTERCOM CALLS

Select the desired service for each telephone and write the number in the table below.

- 0** the extension: - is not enabled to receive calls from the external intercom station
- 1** the extension: - is enabled to receive calls from the external intercom station – button no. 1 (terminal 6a of card ES60 or ES65)
- 2** the extension: - is enabled to receive calls from the external intercom station – button no. 2 (terminal 6b of card ES60 or ES65)
- 3** the extension: - is enabled to receive calls from both buttons of the external intercom station (terminals 6a and 6b of card ES60 or ES65)

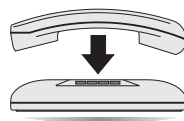
### Table

Type of service	Code	Telephones									
Enabled to receive:		41	42	43	44	45	46	47	48	Base	
- day intercom calls	3333-11	-	-	-	-	-	-	-	-	33333	333
- night intercom calls	3333-13	-	-	-	-	-	-	-	-	00000	000
		— FT105P —									
		— FT208P —									

To program:

- pick up the handset (dialling tone);
- dial the access code 333311 (day) or 333313 (night);
  - (only *FT105P*) – dial 5 digits to program 5 extensions (see Table). Always dial a number of 5 digits even if extensions are less than 5.
  - (only *FT208P*) – dial 8 digits to program 8 extensions (see Table). Always dial a number of 8 digits even if extensions are less than 8.
- wait for the acknowledgement tone and hang up.





Day

**FT105P** 333311xxxxx  
**FT208P** 333311xxxxxxxxx

Night

333313xxxxx  
333313xxxxxxxxx

**Example:** if the code below has been dialled, in day service:

extensions 41 and 42 can receive both calls from the external intercom station  
extensions 43 and 44 can receive calls only from button no. 1 of the external intercom station  
extensions 45 and 46 can receive calls only from button no. 2 of the external intercom station  
extensions 47 and 48 cannot receive calls from the external intercom station.

3	3	3	3	1	1	2	2	0	0
---	---	---	---	---	---	---	---	---	---

## INTERCOM OPERATING INSTRUCTIONS

### Intercom communication with call

This function allows for answering calls coming from one or more external intercom stations (if properly programmed in both the sections "enabling the intercom interface" and "enabling to intercom calls").

When the call from the external station is received:

- pick up the handset and answer



### Intercom communication without call

This function allows for having a conversation without receiving a call from one or more external intercom stations (if properly programmed in the section "enabling the intercom section").

- pick up the handset  
- dialling tone
- dial 6  
- conversation with the external intercom station starts



6



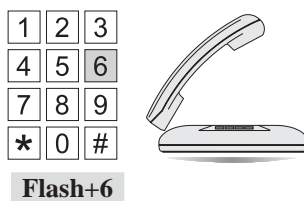
## Transfer an intercom call

To transfer an intercom call to an enabled user:

- hang up to suspend the intercom conversation
- pick up the handset
- call the desired extension and hang up after the message

The called user can:

- press **FLASH**
- dial **6**
  - conversation with the external intercom station starts

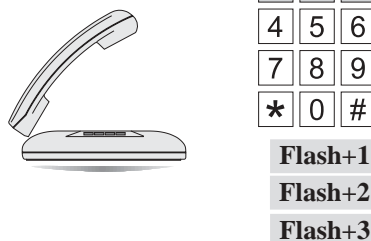


## Relay activation during conversation

This function allows for activating the relays no.1 and 2 of the intercom card ES60 or ES65 in order to operate electrical locks, turn on the staircase lighting, etc.

During the conversation with the external intercom station:

- press **FLASH**
  - dialling tone
- dial the number of the relay to be activated:
  - 1 immediate enabling of relay 1 for about 3 seconds
  - 2 immediate enabling of relay 2 for about 3 seconds
  - 3 enabling of relays 1 and 2 in sequence.\*



\* Relays 1 and 2 are not enabled at the same time, in order not to overcharge the intercom power supply unit when used to activate electrical locks. Relay 2 is enabled with about 3 sec. delay.

## RELAY ACTIVATION

This function allows for activating the 4 relays of the intercom card **ES60** or **ES65** (or actuator card) for auxiliary services (lights, thermostats, heating and air conditioning installations, etc.).

### Note

**Only one card at time can be added in the PABX (either intercom or actuator).**

For installing the card and connection terminal block see on pages 37 and 38.



## Operation

If the actuator card is included in the intercom card, also refer to the previous chapter for programming and operation.

- pick up the handset
  - call waiting tone
- dial **78** followed by the number of the relay to be activated
  - 1 relay 1
  - 2 relay 2
  - 3 relay 3
  - 4 relay 4
- select the relay action (only for relays 2, 3 and 4)
  - 0 the relay is deactivated
  - 1 the relay is activated permanently
  - 2 the relay is activated for 3 seconds
- hang up after the acknowledgement tone.



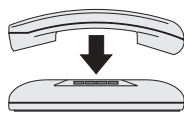
**78**



**1, 2, 3 or 4**



**0, 1 or 2**



**Example:** - dial 7821 to activate permanently relay 2. To deactivate it, dial 7820.  
- dial 7832 to activate only for 3 seconds relay 3.

## REMOTE ACTIVATION OF AUXILIARY RELAYS USING A CODE

**This service only works when calling over the public line with a DTMF telephone.** It allows the user with password to activate from long distance the 4 actuator relays for auxiliary services (lights, thermostats, heating and air conditioning installations, etc.) by making a call to the user's number.

### Storing the passwords for external line 1 and 2

Chose a 4-digit password for line no. 1 and no.2 (i.e. 0190, 3233, 0010, etc.) and write them in the table below.

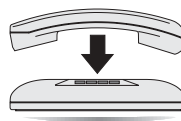
Programming	Code	Password to be stored	Base
<b>External line 1 password</b>	<b>3333-20</b>	_ _ _ _	****
<b>External line 2 password (only FT208P)</b>	<b>3333-21</b>	_ _ _ _	****

*\* not factory-set. If programmed, these codes will be blanked when restoring the base programming (see page 5).*



To program:

- pick up the handset  
- dialling tone
  - dial the access code 333320 to store password related to external line no.1
  - dial a chosen 4-digit password (from 0000 to 9999). *Always dial a 4-digit number*
  - wait for the acknowledgement tone and hang up.
- Repeat the above procedure with a different password and access code for external line 2 (only FT208P).



**FT105P** 333320xxxx

**FT208P** 333320xxxx

333321xxxx

**Example:** if the number below has been dialled:

3333200100 the actuator cards installed in the PABX can be activated by making a call to external line 1 and dialling password 0100.

### Operation

- select the subscriber number to which the PABX is connected from an external telephone  
- Public Exchange call control tone
- wait for the D.I.S.A. post-dialling tone
- dial 7
- dial the password programmed for the specific external line
- dial the number of the relay to be activated

- 1 relay 1
- 2 relay 2
- 3 relay 3
- 4 relay 4

- select the relay action

(only for relays 2, 3 and 4.  
Relay 1 is activated for 3 seconds)

- 0 the relay is deactivated
- 1 the relay is activated
- 2 the relay is activated for 3 seconds

- acknowledgement tone.



7



Password



1, 2, 3 or 4



0, 1 or 2

**Examples:** make the connection with the user's number and dial 7010032: relay 3 is activated for 3 seconds, being 0100 the password related to external line 1 (see example above). To enable relay 1, dial 7 + the password code + 1. Relay 1 can only be activated for about 3 seconds.

### Note

In case of incorrect dialling, of wrong password or no password within 5 seconds, the call is automatically sent to all extensions enabled to receive external calls.



## TABLE OF ENABLED NUMBERS

See page 16 for programming.

<i>Service</i>	<i>Code</i>	<i>Numbers to be inserted</i>	<i>Base</i>
Insert 1 <sup>st</sup> number	3333-30	- - - - - - - -	#####
Insert 2 <sup>nd</sup> number	3333-31	- - - - - - - -	#####
Insert 3 <sup>rd</sup> number	3333-32	- - - - - - - -	#####
Insert 4 <sup>th</sup> number	3333-33	- - - - - - - -	#####
Insert 5 <sup>th</sup> number	3333-34	- - - - - - - -	#####
Insert 6 <sup>th</sup> number	3333-35	- - - - - - - -	#####
Insert 7 <sup>th</sup> number	3333-36	- - - - - - - -	#####
Insert 8 <sup>th</sup> number	3333-37	- - - - - - - -	#####

## CONTROL AREA CODE DIALLING TABLE

See page 17 for programming.

Insert 1 <sup>st</sup> blocking number	3333-22	- - - - - - - -	#####
Insert 2 <sup>nd</sup> blocking number	3333-23	- - - - - - - -	#####
Insert 3 <sup>rd</sup> blocking number	3333-24	- - - - - - - -	#####
Insert 4 <sup>th</sup> blocking number	3333-25	- - - - - - - -	#####
Insert 5 <sup>th</sup> blocking number	3333-26	- - - - - - - -	#####
Insert 6 <sup>th</sup> blocking number	3333-27	- - - - - - - -	#####
Insert 7 <sup>th</sup> blocking number	3333-28	- - - - - - - -	#####
Insert 8 <sup>th</sup> blocking number	3333-29	- - - - - - - -	#####

# not factory-set. If programmed, these codes will remain unchanged when the base programming is restored (see page 5).





# PABX DIRECTORY

FT  
105P  
208P

See page 34 for programming. Programming code **2222**.

<i>Short numbers</i>	<i>Telephone numbers</i>	<i>Name</i>
00	-----	-----
01	-----	-----
02	-----	-----
03	-----	-----
04	-----	-----
05	-----	-----
06	-----	-----
07	-----	-----
08	-----	-----
09	-----	-----
10	-----	-----
11	-----	-----
12	-----	-----
13	-----	-----
14	-----	-----
15	-----	-----
16	-----	-----
17	-----	-----
18	-----	-----
19	-----	-----
20	-----	-----
21	-----	-----
22	-----	-----
23	-----	-----
24	-----	-----
25	-----	-----
26	-----	-----
27	-----	-----
28	-----	-----
29	-----	-----
30	-----	-----
31	-----	-----
32	-----	-----
33	-----	-----
34	-----	-----
35	-----	-----
36	-----	-----
37	-----	-----
38	-----	-----
39	-----	-----

T

A

B

L

E

S



Model **FT105P**

SERVICE	Access code	Number to be stored for each extension					See page
		41	42	43	44	45	
Enables day outgoing phone conversat.	<b>333302</b>	—	—	—	—	—	6
Enables night outgoing phone conversat.	<b>333304</b>	—	—	—	—	—	6
Enables day incoming phone conversat.	<b>333303</b>	—	—	—	—	—	8
Enables night incoming phone conversat.	<b>333305</b>	—	—	—	—	—	8
Enables day incoming calls	<b>333307</b>	—	—	—	—	—	9
Enables night incoming calls	<b>333309</b>	—	—	—	—	—	9
Enables day intercom access	<b>333310</b>	—	—	—	—	—	40
Enables night intercom access	<b>333312</b>	—	—	—	—	—	40
Enables day intercom calls	<b>333311</b>	—	—	—	—	—	41
Enables night intercom calls	<b>333313</b>	—	—	—	—	—	41
Clearing or FLASH time	<b>333314</b>	—	—	—	—	—	12
Enables extension dialling control	<b>333315</b>	—	—	—	—	—	18
Service enabling	<b>333316</b>	—	—	—	—	—	13
<b>SYSTEM PROGRAMMING</b>	<b>Access code</b>	<b>Number to be stored</b>					<b>See page</b>
LD/DTMF – DTMF tones – Intercom D.I.S.A.	<b>333317</b>	—	—	—	—	—	14
Enable Caller ID	<b>333318</b>	—	—	—	—	—	33
Overcoming the selective control	<b>333319</b>	—	—	—	—	—	35
External password	<b>333320</b>	—	—	—	—	—	44
1 <sup>st</sup> blocking number for dialling control	<b>333322</b>	—	—	—	—	—	17
8 <sup>th</sup> blocking number for dialling control	<b>333329</b>	—	—	—	—	—	17
1 <sup>st</sup> number enabled	<b>333330</b>	—	—	—	—	—	16
8 <sup>th</sup> number enabled	<b>333337</b>	—	—	—	—	—	16
Returning to the base programming	<b>333399</b>	—	—	—	—	—	5
Programming PABX directory	<b>222200, ..., 39</b>	—	—	—	—	—	34



# PROGRAMMING TABLE

FT  
208P

Model **FT208P**

SERVICE	Access code	Number to be stored for each extension								See page
		41	42	43	44	45	46	47	48	
Enables day outgoing phone conversat.	<b>333302</b>	—	—	—	—	—	—	—	—	6
Enables night outgoing phone conversat.	<b>333304</b>	—	—	—	—	—	—	—	—	6
Enables day incoming phone conversat.	<b>333303</b>	—	—	—	—	—	—	—	—	8
Enables night incoming phone conversat.	<b>333305</b>	—	—	—	—	—	—	—	—	8
Enables day outgoing calls	<b>333306</b>	—	—	—	—	—	—	—	—	11
Enables night outgoing calls	<b>333308</b>	—	—	—	—	—	—	—	—	11
Enables day incoming calls	<b>333307</b>	—	—	—	—	—	—	—	—	9
Enables night incoming calls	<b>333309</b>	—	—	—	—	—	—	—	—	9
Enables day intercom access	<b>333310</b>	—	—	—	—	—	—	—	—	40
Enables night intercom access	<b>333312</b>	—	—	—	—	—	—	—	—	40
Enables day intercom calls	<b>333311</b>	—	—	—	—	—	—	—	—	41
Enables night intercom calls	<b>333313</b>	—	—	—	—	—	—	—	—	41
Clearing or FLASH time	<b>333314</b>	—	—	—	—	—	—	—	—	12
Enables extension dialling control	<b>333315</b>	—	—	—	—	—	—	—	—	18
Service enabling	<b>333316</b>	—	—	—	—	—	—	—	—	13
<b>SYSTEM PROGRAMMING</b>	<b>Access code</b>	<b>Number to be stored</b>								<b>See page</b>
DEC/DTMF – DTMF tones – Intercom D.I.S.A.	<b>333317</b>	—	—	—	—	—	—	—	—	14
Enable Caller ID	<b>333318</b>	—	—	—	—	—	—	—	—	33
Overcoming the selective control	<b>333319</b>	—	—	—	—	—	—	—	—	35
External 1 password	<b>333320</b>	—	—	—	—	—	—	—	—	44
External 2 password	<b>333321</b>	—	—	—	—	—	—	—	—	44
1 <sup>st</sup> blocking number for dialling control	<b>333322</b>	—	—	—	—	—	—	—	—	17
8 <sup>th</sup> blocking number for dialling control	<b>333329</b>	—	—	—	—	—	—	—	—	17
1 <sup>st</sup> number enabled	<b>333330</b>	—	—	—	—	—	—	—	—	16
8 <sup>th</sup> number enabled	<b>333337</b>	—	—	—	—	—	—	—	—	16
Returning to the base programming	<b>333399</b>	—	—	—	—	—	—	—	—	5
Programming PABX directory	<b>222200.....39</b>	—	—	—	—	—	—	—	—	34

T

A

B

L

E

S



# TONE TABLE

T

A

B

L

E

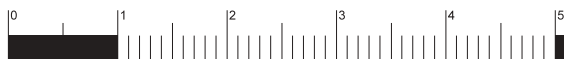
S

Dialling  
(bifonal 425 Hz + 350 Hz)



indicates that the PABX is ready for dialling

Call control



indicates that the call is sent over the selected line

Busy



indicates that the internal/external/intercom line is busy

Dissuasion



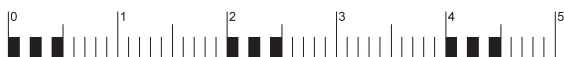
indicates that: -there is a delay in dialling, -the called user has hung up, -an unauthorized access has been attempted

Congestion



indicates that no connections are available

Acknowledgement



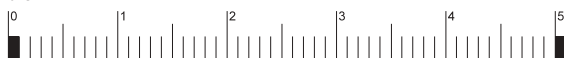
indicates that the requested service has been accepted

Inclusion



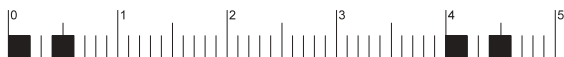
indicates that an extension has intervened in the conversation

Call incoming



indicates an incoming call during the conversation

Internal hold-on



indicates that the internal user is in hold-on

Conference



indicates that the extensions are having a conference

Incorrect operation



indicates that an unauthorized access has been attempted during an intercom conversation

D.I.S.A.










it indicates the possibility of calling the desired extension only.



## CALL TABLE

FT  
105P  
208P

Internal call		indicates an incoming call from another extension
General call		indicates an internal incoming call for all extensions
External call		indicates an incoming external call
Intercom call 1		indicates an incoming intercom call – call 1
Intercom call 2		indicates an incoming intercom call – call 2
Transfer without authorization; Return from transfer; Return from parking (return call)		
Booking		indicates that the booked external line/ extension is now free

T

A

B

L

E

S



CODE-FUNCTION TABLE

Service	Code		See page
	FT105P	FT208P	
Day service recalling	<b>333301</b>	<b>333301</b>	19
Night service recalling	<b>333300</b>	<b>333300</b>	19
Internal communications	<b>41÷45</b>	<b>41÷48</b>	19
External communications	<b>0</b>	<b>0, 81, 82</b>	20
Answer unanswered calls	<b>9+user number</b>	<b>9+user number</b>	21
Line in hold-on	<b>R</b>	<b>R</b>	22
Inclusion	<b>R+5</b>	<b>R+5</b>	22
Resume a call	<b>R; R+2; R+3</b>	<b>R; R+2; R+3</b>	23
Transfer	<b>R</b>	<b>R</b>	24
Answer upon call incoming tone	<b>R+9</b>	<b>R+9</b>	25
General call	<b>40</b>	<b>40</b>	25
3 way conference	<b>R+(41÷45)+R+5</b>	<b>R+(41÷48)+R+5</b>	26
Room monitor	<b>730+(41÷45)</b>	<b>730+(41÷48)</b>	26
Do not disturb	<b>72+(41÷45)</b>	<b>72+(41÷48)</b>	27
Follow me	<b>731+(41÷45)</b>	<b>731+(41÷48)</b>	27
Timed follow me	<b>732+(41÷45)</b>	<b>732+(41÷48)</b>	28
Cancelling "do not disturb", "follow me" and "timed follow me"	<b>70</b>	<b>70</b>	27
Booking	<b>R+74</b>	<b>R+74</b>	29
Exclusive parking	<b>R+75</b>	<b>R+75</b>	30
Common parking	<b>R+76</b>	<b>R+76</b>	30
Access to Public Exchange services	<b>7</b>	<b>7</b>	31
Access to Public Exchange suppl. services	<b>R+77</b>	<b>R+77</b>	31
Use PABX directory	<b>71+(00÷39)</b>	<b>71+(00÷39)</b>	34
Access to external amplifier	<b>49</b>	<b>49</b>	36
Intercom communication without call	<b>6</b>	<b>6</b>	42
Relay activation during conversation	<b>R+ (1, 2, 3)</b>	<b>R+ (1, 2, 3)</b>	43
Relay activation without conversation	<b>78+ (1÷4)+(0÷2)</b>	<b>78+ (1÷4)+(0÷2)</b>	44
Remote relay activation	<b>7+ (Password)+(1÷4)+(0÷2)</b>		45

**R = FLASH button**

**Note**

In case of telephones with LD dialling, use **number 1** instead of the **Flash button**.



*ACI Srl FARFISA Intercoms reserves the right to modify the products illustrated at any time.*



**CERTIFICATO DI GARANZIA**  
(condizioni valide solo per il Territorio Italiano)

La garanzia ha la durata di **dodici** mesi dalla data di acquisto, accertata o accertabile, e viene esercitata dalla Ditta rivenditrice e, tramite questa, dai Centri Assistenza Tecnica Autorizzati ACI Srl Farfisa Intercoms. La garanzia deve essere esercitata, pena la decadenza, entro **otto** giorni dalla scoperta del difetto.

LA GARANZIA NON E' VALIDA SE NON DATATA E VIDIMATA CON TIMBRO E FIRMA DEL RIVENDITORE ALL'ATTO DELL'ACQUISTO. CERTIFICATO UNICO ED INSOSTITUIBILE.

MATRICOLA - SET NUMBER - MATRICULE APPAREIL -  
N° MATRICULA - N° DE MATRICULA - SERIENNUMMER

**FT105P**

**FT208P**

DATA DI ACQUISTO - DATE OF PURCHASE - DATE D'ACHAT -  
FECHA DE COMPRA - DATA DE COMPRA - EINKAUFS DATUM

TIMBRO E FIRMA DEL RIVENDITORE  
DEALER'S NAME AND ADDRESS  
NOM ET ADRESSE DU REVENDEUR  
NOMBRE Y DIRECCION DEL DISTRIBUIDOR  
CARIMBO E ASSINATURA DO REVENDEADOR  
STÄMPEL DES HÄNDLERS

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